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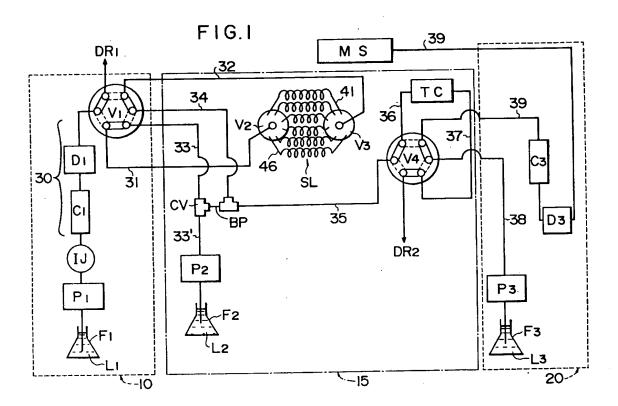
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Liquid chromatography mass spectrometry method and apparatus.

(5) A method and apparatus for liquid chromatography mass spectrometry comprises:

a 1st section (10) for separating components present in a sample to be analysed by using a first mobile phase A (L1); a 2nd section (15) including an inserting line (33') for injecting a dilute solution (L2) for diluting the first mobile phase A, and a trapping column (TC) which allows the first mobile phase A to pass through but catches components carried by th dilute solution; and, a 3rd section (20) for introducing

the components caught by the trapping column (TC) into a mass spectrometer (MS) using a second mobile phase B (L3). Preferably a separating column (C1) is included in the 1st section (10) and another separating column (C3) is included in the 3rd section (20). Preferably the 2nd section (15) includes a retainer (SL) including multiple branches (41-46) for retaining and coll cting separate fractions of the components separated by the first section (10).





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